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MASTER CLASS

FLEXIBLE PACKAGING

abg international 70 YEARS 1954-2024

BakPac
Sustainable · Flexible · Packaging

LAMINATING AND COATING

MATT BURTON - ABG SALES DIRECTOR

&

HARRY BAKER - BAKPAC SALES AND OPERATIONS

OUR FLEXPACK JOURNEY

abg international 70 YEARS 1954 - 2024

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COMEXI

EQUIPMENT AND MACHINERY FOR LAMINATING AND COATING

Gonderflex

KARLVILLE

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LAMINATING TYPES AND PROCESSES

Advantages	Challenges
Thermal lamination (available from abg)	
Clean and minimal post curing	Speed in comparison to other lamination types
Rapid time to market	Cost of laminate
Dry Bond (available from abg) *(printing adhesive curing and laminating with heat and pressure)*	
Water based **-** No solvents required with minimal post curing time	Water based - Speed and bond strength only suitable to certain industries
Solvent based **-** High bond strength and minimal post curing	Solvent based - Solvents and equipment need ATEX (hoods etc)
Solvent less lamination – Cure time	
Speed and bond strength	Post curing time – longer time needed for bonding
UV (available from abg)	
Speed, ease of use and cost effective	Limited usage in flexpack space (due to migration issues from UV initiators)
E-beam (available from abg)	
High speed, cross linking, durability	Cost and complex capex (beta radiation)

COATING TECHNIQUES AND APPLICATIONS

Advantages	Challenges
Solvent (available from abg)	
Fast and food safe	Solvent based environmental considerations , ATEX (hoods for machine etc)
UV (available from abg)	
Simple and relatively low running cost	Not suitable migration issues. Challenges surface cure (may require inert UV for optimum surface cure)
High speed	
Water based (available from abg)	
Environmentally friendly – biodegradable. No need for solvent reclamation equipment	Slow in comparison to solvent due to drying time and a need for dryers. High energy usage
E-beam (available from abg)	
Resolve issues links adhesion certain substrates	Capital equipment cost
High speed – (+1000ft) a minute	
High gloss value and durable	

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QUALITY CONTROL AND TROUBLESHOOTING
A CONVERTERS PERSPECTIVE

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WHAT'S NEXT?

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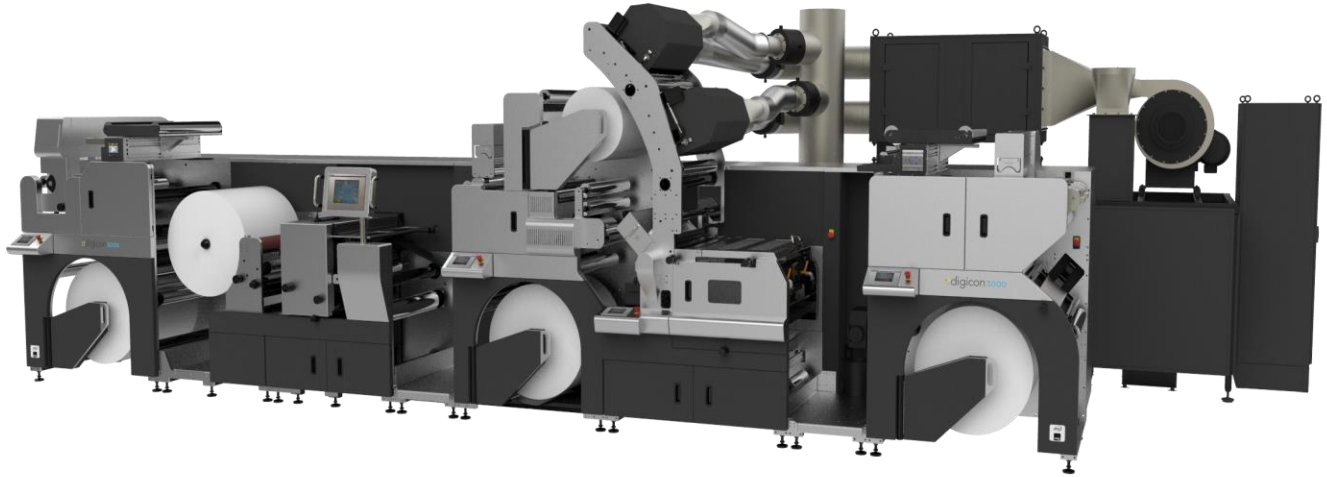
HAPPY TO HELP



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Find us in flexpack area 6786 or on the ABG booth 3223

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Thank you, any questions?